

WHAT IS CLAIMED IS:

1. An article subjected to dynamic loading which comprises :
 - (i) a polymer having a main polymer chain derived from: (i) at least about 30% by weight of a first monomer which introduces at least one of a secondary carbon and a tertiary carbon to the main polymer chain, and (ii) from 0 to about 70% by weight of at least one other monomer.
 - (ii) a salt of a strong base and a weak acid, the salt comprising a metal selected from Group I of the Periodic Table of Elements, and
 - (iii) an antioxidant.
- 10 2. An article according to Claim 1 wherein the polymer is an ethylene-alpha-olefin-based elastomer.
- 15 3. An article according to Claim 1 wherein the antioxidant is selected from the group consisting of hindered phenols, diphenylamines, phenylene diamines and mixtures thereof.
- 20 4. An article according to Claim 2, wherein the salt is selected from the group comprising potassium carbonate, sodium carbonate, sodium or potassium salts of C1 to C50-mono, di or poly carboxylic acids, sodium phosphate, potassium phosphates and mixtures thereof.
- 25 5. An article according to Claim 4, wherein the salt is selected from the group comprising sodium carbonate, sodium stearate and mixtures thereof.
- 30 6. An article according to Claim 1, wherein the salt is present in an amount in the range from about 0.5 to about 50 parts by weight.
7. An article according to Claim 6, wherein the salt is present in an amount in the range from about 1 to about 20 parts by weight.

SEARCHED - INDEXED - FILED - 10/22/2010

8. An article according to Claim 1 further comprising a buffer, the buffer being a compound which can act as a proton sink.

9. An article according to Claim 1, further comprising a
5 vulcanization system.

10. An article according to Claim 9, wherein the vulcanization system is selected from the group comprising sulfur, a sulfur donor cure system and a peroxide compound.

10

11. An article according to Claim 1 which is intended for use as a belt in the form of a power transmission belt selected from the group consisting of synchronous belts, V-belts, multi-V-ribbed belts and toothed belts.

100 90 80 70 60 50 40 30 20 10